



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF FORENSIC SCIENCE


CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

### CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010543  
CERTIFICATION DATE: September 4, 2013  
DATE RECERTIFICATION DUE: March 3, 2014

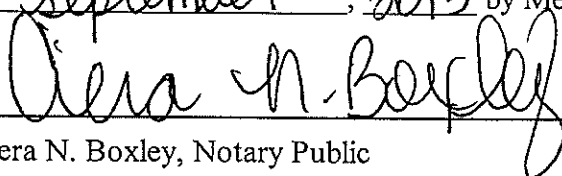
The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

  
Melissa Kennedy

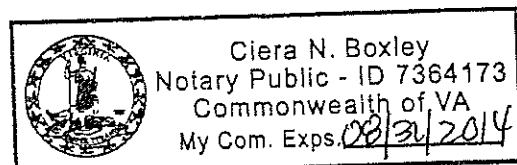
Section Supervisor, Breath Alcohol

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 19<sup>th</sup> day of  
September, 2013 by Melissa Kennedy

  
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



**Department of Forensic Science**  
**Breath Alcohol Section**  
**Instrument Maintenance History**  
**1/1/1990 To 9/6/2013**

*HMS*  
*NH*

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**Instrument Serial Number:**     **010543** **As of 06-Sep-13**

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Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
04-Sep-13	04-Sep-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
27-Mar-13	27-Mar-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
10-Oct-12	10-Oct-12	TLN (25387)	CERTIFIED. REPLACED PRINTER RIBBON.
25-Apr-12	25-Apr-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
02-Nov-11	02-Nov-11	DBH (21250)	CERTIFIED
24-May-11	24-May-11	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
07-Dec-10	07-Dec-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
23-Jun-10	23-Jun-10	RJP (22428)	CERTIFIED.
05-Jan-10	05-Jan-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
22-Jul-09	22-Jul-09	RJP (22428)	CERTIFIED.
13-Mar-09	13-Mar-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
21-Oct-08	21-Oct-08	RJP (22428)	CERTIFIED.
08-Oct-08	08-Oct-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

**INTOX EC/IR II**  
**Quality Assurance Worksheet**

*AMS*  
*msk*

Instrument Serial Number 010543 Worksheet Start Date 9/4/2013  
Location Big Stone Gap Police Department  
Address 505 E. 5th St. S, Big Stone Gap Police Department *VIA 24219 AMS 9/13/13*  
DFS Technician Heather Stanton License No. 18910

☐ Laboratory ☒ On-Site

**Site Specifications**

Yes No

**1 Secured Environment:**

Location must not be accessible to the general public.

☒ ☐

**2 Environment free from contaminants**

☒ ☐

**3 Dedicated telephone line:**

The phone line should be used solely by the instrument.

☒ ☐

**4 Adequate Ventilation:**

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

**5 Stable temperature controls:**

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

**6 115VAC power source:**

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

**7 Room Condition:**

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no.	New serial no.	Supplies
E-Seek		Mouthpieces
Keyboard		Certificates of Analysis
Printer		Operator Worksheet
UPS		Other:

Maintenance (if any)

Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010543

Certification Date 9/4/2013

Instrument Barometer (mm HG) 723

Reference Barometer (mm HG) 726

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.238	0.230	0.245	0.238	
Precision		sample min	sample max		
0		0.238	0.238	0.238	

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.143	0.138	0.147	0.143	
Precision		sample min	sample max		
0		0.143	0.143	0.143	

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.076	0.073	0.079	0.076	
Precision		sample min	sample max		
0.001		0.075	0.076	0.076	

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.019	0.016	0.022	0.018	
Precision		sample min	sample max		
0		0.018	0.018	0.018	

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG316301-12

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.095	0.092	0.098	0.094	
Precision		sample min	sample max		
0		0.094	0.094	0.094	

DFS Technician

*Heath M Stark*

Date

9/6/13

9/13/13  
HMS

Issuing Analyst

*Melissa Kennedy*

Date

9/10/13

9/13/13  
MMS

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>STANTON, HEATHER, M</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>18910</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>09/04/2013</b>
TEST EQUIPMENT NUMBER <b>010543</b>		

RESULTS: TIME SAMPLE TAKEN 12:56 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_ OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 04 Sep 2013 at 13:05

TLN  
HNS  
NHL

## Test Results

Instrument Serial Number 010543

Test # 000228 Subject Test

Test Location 1 Department of  
Test Date 04 Sep 2013

Test Location 2 Forensic Science  
Test Time 12:50  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name STANTON  
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 04 Sep 2013 End Time 12:57

Result Time 12:56

Result Date 04 Sep 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:50

Data Type BLK

Sample Value 0.000

Sample Time 12:51

Data Type CHK

Sample Value 0.097

Sample Time 12:52

Data Type BLK

Sample Value 0.000

Sample Time 12:53

Data Type SUBJ

Sample Value 0.000

Sample Time 12:53

Data Type BLK

Sample Value 0.000

Sample Time 12:54

Data Type SUBJ

Sample Value 0.000

Sample Time 12:56

Data Type BLK

Sample Value 0.000

Sample Time 12:57

Standard Type Dry Gas Std

Standard Value 0.095

Standard Lot Number AG201104-26

Standard Expiration Date 01/11/2014

Tank Pressure 806

Barometric Pressure 723 mmHg

Blow Sample Number 1 Blow Duration 3.52 sec

Blow Volume 1737 cc End-of-Blow Time 12:53

Blow Sample Number 2 Blow Duration 3.55 sec

Blow Volume 1781 cc End-of-Blow Time 12:56

Tamper Evident Stamp 49f34676

Test Status Code 0

Test Status Success

110

110

**Intox EC/IR-II: Software Version**

*Department of Forensic Science*

Serial Number: 010543

System Date: 09/04/2013

System Time: 13:22 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

hms

will

**Intox EC/IR-II: Calibration**

*Department of Forensic Science*

Serial Number: 010543      Test Number: 229

Test Date: 09/04/2013      Test Time: 13:25 EDT

Dry Gas Target: 0.095

Lot Number: 0651210013-06      Exp Date: 04/01/2014

Tank Pressure: 752 psi      Barometric Pressure: 722 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:26
CAL	0.095	13:26

Test Status: *Success*

Calibration CRC: 936A9DE3



HMS  
MHL

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010543      Test Number: 230  
Test Date: 09/04/2013      Test Time: 13:29 EDT

Technician Initials: HMS

Dry Gas Target: 0.238

Lot Number: 0651225015-04      Exp Date: 04/01/2014  
Tank Pressure: 71 psi      Barometric Pressure: 722 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:29
BLK	0.000	13:30
CHK	0.238	13:31
BLK	0.000	13:32
CHK	0.238	13:33
BLK	0.000	13:35
CHK	0.238	13:35
BLK	0.000	13:37

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

4/10

1/12

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010543      Test Number: 231

Test Date: 09/04/2013      Test Time: 13:38 EDT

Technician Initials: HMS

Dry Gas Target: 0.143

Lot Number: 0771315013-04      Exp Date: 05/01/2015

Tank Pressure: 281 psi      Barometric Pressure: 722 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:39
BLK	0.000	13:39
CHK	0.143	13:40
BLK	0.000	13:41
CHK	0.143	13:42
BLK	0.000	13:43
CHK	0.143	13:44
BLK	0.000	13:46

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS  
WSE

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010543      Test Number: 232  
Test Date: 09/04/2013      Test Time: 13:47 EDT

Technician Initials: HMS

Dry Gas Target: 0.076

Lot Number: 0651208012-04      Exp Date: 04/01/2014

Tank Pressure: 350 psi      Barometric Pressure: 722 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:47
BLK	0.000	13:48
CHK	0.075	13:49
BLK	0.000	13:50
CHK	0.076	13:51
BLK	0.000	13:52
CHK	0.076	13:53
BLK	0.000	13:54

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS  
MSK

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010543      Test Number: 233

Test Date: 09/04/2013      Test Time: 13:56 EDT

Technician Initials: HMS

Dry Gas Target: 0.019

Lot Number: 0651202011-03      Exp Date: 04/01/2014

Tank Pressure: 370 psi      Barometric Pressure: 721 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:56
BLK	0.000	13:57
CHK	0.018	13:58
BLK	0.000	13:59
CHK	0.018	14:00
BLK	0.000	14:01
CHK	0.018	14:02
BLK	0.000	14:03

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

hms

msd

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010543      Test Number: 234

Test Date: 09/04/2013      Test Time: 14:05 EDT

Dry Gas Target: 0.285

Lot Number: AG322702-02      Exp Date: 08/15/2015

Tank Pressure: 477 psi      Barometric Pressure: 722 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:06
CHK	0.286	14:06
BLK	0.000	14:08
CHK	0.286	14:09
BLK	0.000	14:10
CHK	0.286	14:11

Test Status: *Success*

Calibration CRC: 936A9DE3

AMS  
MSK

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010543      Test Number: 235

Test Date: 09/04/2013      Test Time: 14:14 EDT

Dry Gas Target: 0.237

Lot Number: AG205404-02      Exp Date: 02/23/2014

Tank Pressure: 144 psi      Barometric Pressure: 721 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	14:15
CHK	0.239	14:16
BLK	0.000	14:18
CHK	0.239	14:18
BLK	0.000	14:20
CHK	0.239	14:21

Test Status: Success

Calibration CRC: 936A9DE3

ANS  
NSK

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010543      Test Number: 236

Test Date: 09/04/2013      Test Time: 14:23 EDT

Dry Gas Target: 0.095

Lot Number: AG316301-12      Exp Date: 06/12/2015

Tank Pressure: 1115 psi      Barometric Pressure: 721 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:24
CHK	0.094	14:25
BLK	0.000	14:27
CHK	0.094	14:27
BLK	0.000	14:29
CHK	0.094	14:29

Test Status: *Success*

Calibration CRC: 936A9DE3




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

thms  
nsh

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
---	-----------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>STANTON, HEATHER, M</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>18910</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>09/04/2013</b>
TEST EQUIPMENT NUMBER <b>010543</b>		

RESULTS: TIME SAMPLE TAKEN 14:37 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR
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☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE





# IntoxNet MIS Report

Report Generated 06 Sep 2013 at 08:34

Handwritten initials/signature.

## Test Results

Instrument Serial Number 010543

Test # 000237 Subject Test

Test Location 1 Department of  
Test Date 04 Sep 2013

Test Location 2 Forensic Science  
Test Time 14:31  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name STANTON  
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 04 Sep 2013 End Time 14:38

Result Time 14:37

Result Date 04 Sep 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:31

Data Type BLK

Sample Value 0.000

Sample Time 14:32

Data Type CHK

Sample Value 0.094

Sample Time 14:33

Data Type BLK

Sample Value 0.000

Sample Time 14:34

Data Type SUBJ

Sample Value 0.000

Sample Time 14:35

Data Type BLK

Sample Value 0.000

Sample Time 14:36

Data Type SUBJ

Sample Value 0.000

Sample Time 14:37

Data Type BLK

Sample Value 0.000

Sample Time 14:38

Standard Type Dry Gas Std

Standard Value 0.095

Standard Lot Number AG316301-12

Standard Expiration Date 06/12/2015

Tank Pressure 1120

Barometric Pressure 721 mmHg

Blow Sample Number 1 Blow Duration 3.56 sec

Blow Volume 1762 cc End-of-Blow Time 14:35

Blow Sample Number 2 Blow Duration 3.45 sec

Blow Volume 1761 cc End-of-Blow Time 14:37

Tamper Evident Stamp 67afcb69

Test Status Code 0

Test Status Success